Natural Hazard Midterm #2 Study Guide

Know why the big Indonesian tsunami caused such a big catastrophe

Know the best explanation for how earthquakes cause tsunamis

Know what a “runup map” is and what it is used

Know where you find volcanoes, faults, zones or rifts

Know what kind of volcanoes are found in Hawaii

Know what kind of volcano Mt. St. Helen was

Know where you wouldn’t find volcanoes

Know how many volcanic eruptions might occur every year

Know what kind of magma is associated with what kind of volcano. i.e. explosive event

Know what is used to determine whether a volcanic eruption is expected

Know what kind of volcanic hazards are responsible for the most deaths

Know is the role of a drainage basin to the hydrologic system

Know what are the kinds of “loads” carried by a stream or river

Know where a meandering river would run the fastest

Know where on a river you would find point bars

Know what kind of rainfall could result in flooding

Know which environments are flash floods common

Know where in the United States are not at risk for floods

Know which hazard is the #1 cause of disasters in the U.S. in the past century

Know what you should do during a flood (don’t be stupid)

Know if tsunami waves in the middle of the ocean are big enough to capsize large ships

Know what happens just before a tsunami wave arrives on shore

Know what to do if you see a tsunami wave coming

Know what tsunami waves can do to a shoreline when they hit

Know how many tsunami waves are associated with an event

Know what other kinds of triggers can cause tsunamis

Know why volcanoes are found near plate boundaries

Know which volcanoes are the most dangerous

Know what kind of volcanoes are found over hot spots

Know what calderas are

Know about the different magma and how fast it flows

Know how scientists can determine if a volcano is going to erupt

Know if lava can be diverted or not

Know about the gradient of streams and rivers

Know how urbanization can increase the chance of flooding

Know the velocity of flooded rivers

Know where it is safe during a flood

Know about flood plains and their designations

Know the kinds of volcanoes

Know the relationship between plate tectonics and tsunamis

Know what the components are of the total toad of a stream

Know the difference between braided channels and meandering channels

Know the relationship between the Hawaiian Islands the hot spot under the islands